

Monthly report of Feb. 2007

From GESCAR, LBL etc., lots of important recommendations, advices, and suggestions were collected and listed below.

1. Continue to work on the data reduction by fit2d, Rietveld method, GSAS and EXPGUI both of easy raw data and of complicated raw data. Build the data reduction experience for CEAD.
2. To improve the CEAD program, the following will be considered next,
 - (1). Make the CEAD compatible for different kind of raw data files(mar3450, .tiff etc.)
 - (2). In case of tens or hundreds of input files, how to easily input the raw data files.
 - (3). Add pixel size input boxes
 - (4). Add a Mask file calling function
 - (5). Add Error bars in the plot
 - (6). Add a warning prompt or window
 - (7). Make the space group information input either manually or from CIF file.
3. Develop an automated program to fit standard materials EOS, like AU, Ag, Pt etc.